

AMENDMENTS TO THE CLAIMS

The listing of claims will replace the previous version, and the listing of claims:

Listing of Claims

1-12. (cancelled)

13. (Currently Amended) ~~Tool~~A tool for production of a cast component from ~~reactive nonferrous molten metal~~molten titanium alloy, comprising a casting mold,

~~wherein at least one mold wall area of the casting mold which comes into contact with the reactive nonferrous molten metal is made of yttrium oxide, magnesium oxide and calcium oxide;~~

~~wherein the casting mold has a construction of~~comprises at least first and second layers, the first layer forming a mold wall area ~~which~~that comes into contact with the molten titanium alloy~~reactive nonferrous molten metal~~ and the second layer forming a backfilling stabilization area for the mold wall area;

~~wherein both the first layer and the second layer consist essentially of yttrium oxide, magnesium oxide and calcium oxide; and~~

~~wherein the second layer, which backfills the first layer, has less yttrium oxide and is more coarsely grained than the first layer.~~

14. (Currently Amended) ~~Tool~~A tool as defined in claim 13, wherein the second layer has walls thicker than the first layer.

15. (Currently Amended) ~~Method~~A method for production of a casting mold for a cast component from molten titanium alloy~~reactive nonferrous molten metal~~, comprising the steps of:

providing a component wax model which has geometrical dimensions of a precision-casting component to be produced with the casting mold,

coating the component wax model with a slurry material consisting essentially of water, yttrium oxide, magnesium oxide and calcium oxide, wherein the slurry material is spread in multiple layers on the component wax model in such a way that the casting mold with at least a two-layer construction is created wherein a first layer of the casting mold forms a mold wall area which comes into contact with the molten titanium alloy~~reactive nonferrous molten metal~~, and a second layer of the casting mold forms a stabilization area which backfills the mold wall area,

drying and hardening the coating for the casting mold, and removing the component wax model from the casting mold,

wherein the slurry material for formation of the second layer which backfills the first layer has less yttrium oxide and is more coarsely grained than the slurry material for formation of the first layer.

16. (Currently Amended) Method~~A method~~ for production of a cast component from a molten titanium alloy~~reactive nonferrous molten metal~~, comprising the steps of:

providing the casting mold as defined in claim 15, filling the nonferrous molten metal into the casting mold, solidifying the molten titanium alloy~~nonferrous molten metal~~ in the casting mold, and

removing the cast component from the casting mold.

17. (Currently Amended) Method~~The method~~ as defined in claim 15, wherein a titanium aluminum molten alloy is filled into the casting mold to produce a gas turbine component.